

## ASTD/TDI Project Static Report

### *Deployment of Phytoremediation in the 317/319 Area at ANL-East*

<b>Focus Area:</b>	Subsurface Contaminants Focus Area	<b>Focus Area Manager:</b>	Carl Lanigan, (803) 725-0404
<b>TTP No.:</b>	CH29SS12	<b>Principal Investigator:</b>	Larry Moos, (630) 252-3455
<b>Lead Site:</b>	Chicago - Argonne National Laboratory East	<b>Technology Vendor(s)/Commercial Partner(s):</b>	Applied Natural Sciences
<b>Project No.:</b>	99-ASTD-08		
<b>Tech ID/TMS No.:</b>	N/A		
<b>Related Publication(s):</b>	None		
<b>Web Page(s):</b>			
<b>Description:</b>	Woody and herbaceous plants extract pore water and entrained chemical substances from the soil and transpire them into the atmosphere. In addition, some degradation of volatile organic compounds (VOCs) also takes place in the zone of chemical and biological activity immediately surrounding the plant root system. At ANL, the primary species used is poplar trees with a very small planting of pine trees.		
<b>Application:</b>	Remediation of soil and groundwater contaminated with nitrates, pesticides, and VOCs at depths of 50 feet or less. This technology is commercially available.		
<b>Location(s):</b>	ANL-E		
<b>Technology(ies):</b>			

Phytoremediation

	<b>Funding (\$K):</b>	<b><u>FY-98</u></b>	<b><u>FY-99</u></b>	<b><u>FY-00</u></b>	<b><u>FY-01</u></b>	<b><u>Total</u></b>
<b>TTP No.:</b>	CH29SS12	\$0	\$344	\$236	\$0	\$580
<b>Leverage Source:</b>	EM-40					\$745
				<b>Funding Total (\$K):</b>		\$1,325
<b>Cost Savings (\$M):</b>	<b><u>Proposal</u></b>	<b><u>Deployment Plan/TTP</u></b>	<b><u>Current Focus Area Projection</u></b>			
	Pending	Pending	\$1,365			